

526,269

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number
WO 2004/022666 A1

(51) International Patent Classification⁷: **C09K 5/00**

(84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(21) International Application Number:
PCT/BR2003/000099

(22) International Filing Date: 16 July 2003 (16.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI 0203527-8 3 September 2002 (03.09.2002) BR

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(81) Designated States (*national*): AU, CN, CZ, HU, ID, IN, JP, KP, KR, MX, PL, SG, TR, US, ZA.

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AU, CN, CZ, HU, ID, IN, JP, KP, KR, MX, PL, SG, TR, ZA, European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR)
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designation US
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation US
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AU, CN, CZ, HU, ID, IN, JP, KP, KR, MX, PL, SG, TR, ZA, European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR)
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HEAT TRANSMITTING FLUID AND ITS RESPECTIVE OBTAINING PROCESS

(57) Abstract: The present invention refers to a revolutionary non-toxic heat transmitting fluid, applicable to thermal oil systems in the food, pharmaceutical, cosmetic and chemical industry, which need heating without the use of flame or electrical resistance, to which original innovating functional disposition has been given, being different from other types of heat transmitting fluids usually found in the market, since it is composed of antioxidant based on derived phenyl and fluid based on polyinternalolefines PIO or polyalphaolefines PAO, being satisfactorily applied as heat transmitting fluid in application temperatures between -40 and 395 °C, being that its specific application is of heat transmitting fluid totally synthetic, for thermal oil systems in the food, pharmaceutical, cosmetic and chemical industry.

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